

TABLE 1

Indoor Air Test Results – Greenfield Middle School, Greenfield, MA – January 24, 2002

Location	Carbon Dioxide *ppm	Temp. °F	Relative Humidity %	Occupants in Room	Windows Openable	Ventilation		Remarks
						Intake	Exhaust	
Outside (Background)	418	42	55					@ 12 noon
Room 202	1135	72	34	24	Yes	Yes	Yes	Supply and exhaust off, window and door open, dry erase board
Room 203	1371	74	37	21	Yes	Yes	Yes	Supply and exhaust off, dry erase board, door open
Room 204	892	73	33	4	Yes	Yes	Yes	Supply and exhaust off, items obstructing supply, dry erase board, plants
Room 207	1159	73	35	19	Yes	Yes	Yes	Supply off, dry erase board
Room 208	1022	73	34	17	Yes	Yes	Yes	Supply and exhaust off, window open, dry erase board
236 – Nurse	586	71	32	1	Yes	Yes	Yes	Supply and exhaust off
Room 239	686	73	33	4	Yes	Yes	Yes	Supply and exhaust off, laser jet printer-odor
Room 216	956	72	33	6	Yes	Yes	Yes	Supply and exhaust off, dry erase board
Room 215	1330	72	34	25	Yes	Yes	Yes	Dry erase board

* ppm = parts per million parts of air
CT = ceiling tiles

Comfort Guidelines

Carbon Dioxide - < 600 ppm = preferred
600 - 800 ppm = acceptable
> 800 ppm = indicative of ventilation problems
Temperature - 70 - 78 °F
Relative Humidity - 40 - 60%

TABLE 2

Indoor Air Test Results – Greenfield Middle School, Greenfield, MA – January 24, 2002

Location	Carbon Dioxide *ppm	Temp. °F	Relative Humidity %	Occupants in Room	Windows Openable	Ventilation		Remarks
						Intake	Exhaust	
Room 214	1123	73	35	24	Yes	Yes	Yes	Supply and exhaust off
Room 212	1730	73	38	20	Yes	Yes	Yes	Supply and exhaust off, dry erase board, eye-wash
Room 211	1800	72	39	19	Yes	Yes	Yes	Supply and exhaust off, dry erase board, plants
Room 310	858	69	37	20	Yes	Yes	Yes	Wall mounted supply/exhaust vents, dry erase board
Room 311	956	70	35	17	Yes	Yes	Yes	Dry erase board, door open
Room 312	690	70	35	17	Yes	Yes	Yes	Eye-wash station, musty odor
Room 313/314	981	70	36	23	Yes	Yes	Yes	
Room 315	465	72	33	0	Yes	Yes	Yes	Plants
Room 316	674	72	33	17	Yes	Yes	Yes	Supply obstructed, accumulated items, door open
Room 317/318	679	72	34	19	Yes	Yes	Yes	Door open
Room 107	1550	71	35	17	Yes	Yes	Yes	Supply and exhaust off, plants

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TABLE 3

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Location	Carbon Dioxide *ppm	Temp. °F	Relative Humidity %	Occupants in Room	Windows Openable	Ventilation		Remarks
						Intake	Exhaust	
Room 101	2126	73	38	22	Yes	Yes	Yes	Supply and exhaust off, plants
Room 102	1142	75	35	12	Yes	Yes	Yes	Supply and exhaust off
Room 103	845	74	32	14	Yes	Yes	Yes	Supply off, dry erase board, plants
Room 104	1337	73	34	13	Yes	Yes	Yes	Dry erase board, door open, plant
Room 124	782	71	32	0	No	Yes	Yes	24 computers
Room 108	1779	72	38	17	Yes	Yes	Yes	Supply taped shut, dry erase board, door open, cleaning product
Room 144	2066	72	39	13	Yes	Yes	Yes	Dry erase board, cleaning product, eye-wash
Room 121	1136	72	35	3	Yes	Yes	Yes	Water damage-around light fixture
Room 127	634	76	32	18	No	Yes	Yes	14 computers, door open
Art Room	571	67	38	0	Yes	Yes	Yes	Kiln-hoses
Room 116	2392	72	42	18	Yes	Yes	Yes	Supply and exhaust off, dry erase board

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TABLE 4

Indoor Air Test Results – Greenfield Middle School, Greenfield, MA – January 24, 2002

Location	Carbon Dioxide *ppm	Temp. °F	Relative Humidity %	Occupants in Room	Windows Openable	Ventilation		Remarks
						Intake	Exhaust	
Room 114	783	71	36	1	Yes	Yes	Yes	Supply and exhaust off, dry erase board
Room 115	1166	71	35	14	Yes	Yes	Yes	Supply and exhaust off, dry erase board, door open, rubber odor
Room 112	1281	72	37	19	Yes	Yes	Yes	Eye-wash, door open
Room 111	1883	72	38	14	Yes	Yes	Yes	Supply and exhaust off, dry erase board
Room 110	1643	71	36	16	Yes	Yes	Yes	Supply and exhaust off, dry erase board
Student Services Office	577	72	35	3	No	Yes	Yes	
QLC 132	709	73	32	4	No	Yes	Yes	Supply off, dry erase board
Room 130	613	73	32	1	No	Yes	Yes	Supply off
Room 210	1131	71	34	22	Yes	Yes	Yes	Supply and exhaust off
Room 227	541	70	32	3	Yes	Yes	Yes	Supply and exhaust off
Library	467	73	31	1	Yes	Yes	Yes	

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TABLE 5

Indoor Air Test Results – Greenfield Middle School, Greenfield, MA – January 24, 2002

Location	Carbon Dioxide *ppm	Temp. °F	Relative Humidity %	Occupants in Room	Windows Openable	Ventilation		Remarks
						Intake	Exhaust	
Room 304	635	71	33	5	Yes	Yes	Yes	Dry erase board, door open
Room 321	693	71	34	10	Yes	Yes	Yes	Dry erase board, accumulated items
Room 329	589	70	34	15	Yes	Yes	Yes	26 computers, air conditioner
Outdoors (@ 4:00 PM)	406	44	62					

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